Matthew J Goupell

List of Publications by Year in Descending Order

95 papers	1,524 citations	21 h-index	35 g-index
112 ext. papers	1,829 ext. citations	2.6 avg, IF	5.15 L-index

#	Paper	IF	Citations
95	Children\'s syntactic parsing and sentence comprehension with a degraded auditory signal.. *Journal of the Acoustical Society of America*, **2022**, 151, 699	2.2	1
94	Open-Set Phoneme Recognition Performance With Varied Temporal Cues in Younger and Older Cochlear Implant Users.. *Journal of Speech, Language, and Hearing Research*, **2022**, 1-16	2.8	
93	The effect of target and interferer frequency on across-frequency binaural interference of interaural-level-difference sensitivity.. *Journal of the Acoustical Society of America*, **2022**, 151, 924	2.2	0
92	Stimulus context affects the phonemic categorization of temporally based word contrasts in adult cochlear-implant users.. *Journal of the Acoustical Society of America*, **2022**, 151, 2149	2.2	
91	Effects of aging and hearing loss on perceptual and electrophysiological measures of pulse-rate discrimination.. *Journal of the Acoustical Society of America*, **2022**, 151, 1639	2.2	0
90	Impacts of signal processing factors on perceptual restoration in cochlear-implant users. *Journal of the Acoustical Society of America*, **2022**, 151, 2898-2915	2.2	
89	Accuracy and cue use in word segmentation for cochlear-implant listeners and normal-hearing listeners presented vocoded speech. *Journal of the Acoustical Society of America*, **2021**, 150, 2936	2.2	
88	Intracranial lateralization bias observed in the presence of symmetrical hearing thresholds. *JASA Express Letters*, **2021**, 1, 104401		
87	Interaural Place-of-Stimulation Mismatch Estimates Using CT Scans and Binaural Perception, But Not Pitch, Are Consistent in Cochlear-Implant Users. *Journal of Neuroscience*, **2021**, 41, 10161-10178	6.6	4
86	Access to semantic cues does not lead to perceptual restoration of interrupted speech in cochlear-implant users. *Journal of the Acoustical Society of America*, **2021**, 149, 1488	2.2	2
85	Dichotic listening performance with cochlear-implant simulations of ear asymmetry is consistent with difficulty ignoring clearer speech. *Attention, Perception, and Psychophysics*, **2021**, 83, 2083-2101	2	5
84	Benefits of triple acoustic beamforming during speech-on-speech masking and sound localization for bilateral cochlear-implant users. *Journal of the Acoustical Society of America*, **2021**, 149, 3052	2.2	1
83	Aging Effects on Cortical Responses to Tones and Speech in Adult Cochlear-Implant Users. *JARO - Journal of the Association for Research in Otolaryngology*, **2021**, 22, 719-740	3.3	1
82	A Comparison of Place-Pitch-Based Interaural Electrode Matching Methods for Bilateral Cochlear-Implant Users. *Trends in Hearing*, **2021**, 25, 2331216521997324	3.2	2
81	Head Shadow, Summation, and Squelch in Bilateral Cochlear-Implant Users With Linked Automatic Gain Controls. *Trends in Hearing*, **2021**, 25, 23312165211018147	3.2	1
80	Effect of Chronological Age on Pulse Rate Discrimination in Adult Cochlear-Implant Users. *Trends in Hearing*, **2021**, 25, 23312165211007367	3.2	2
79	Dichotic listening performance and effort as a function of spectral resolution and interaural symmetry. *Journal of the Acoustical Society of America*, **2021**, 150, 920	2.2	1

78	Transmission of Binaural Cues by Bilateral Cochlear Implants: Examining the Impacts of Bilaterally Independent Spectral Peak-Picking, Pulse Timing, and Compression. *Trends in Hearing*, **2021**, 25, 23312165211030411	3.2	4
77	Binaural Hearing and Across-Channel Processing. *Springer Handbook of Auditory Research*, **2021**, 181-207	1.2	2
76	Interaural-time-difference thresholds for broad band-limited pulses are affected by relative bandwidth not temporal envelope sharpness.. *JASA Express Letters*, **2021**, 1, 124401		1
75	Acoustic factors affecting interaural level differences for cochlear-implant users. *Journal of the Acoustical Society of America*, **2020**, 147, EL357	2.2	7
74	Recognition of vocoded words and sentences in quiet and multi-talker babble with children and adults. *PLoS ONE*, **2020**, 15, e0244632	3.7	1
73	Acoustic Hearing Can Interfere With Single-Sided Deafness Cochlear-Implant Speech Perception. *Ear and Hearing*, **2020**, 41, 747-761	3.4	9
72	Binaural Optimization of Cochlear Implants: Discarding Frequency Content Without Sacrificing Head-Shadow Benefit. *Ear and Hearing*, **2020**, 41, 576-590	3.4	6
71	Effect of Stimulation Rate on Speech Understanding in Older Cochlear-Implant Users. *Ear and Hearing*, **2020**, 41, 640-651	3.4	10
70	Audiovisual Speech Recognition With a Cochlear Implant and Increased Perceptual and Cognitive Demands. *Trends in Hearing*, **2020**, 24, 2331216520960601	3.2	1
69	Impact of Aging and the Electrode-to-Neural Interface on Temporal Processing Ability in Cochlear-Implant Users: Gap Detection Thresholds. *Trends in Hearing*, **2020**, 24, 2331216520956560	3.2	4
68	Age-Related Compensation Mechanism Revealed in the Cortical Representation of Degraded Speech. *JARO - Journal of the Association for Research in Otolaryngology*, **2020**, 21, 373-391	3.3	8
67	Recognition of Accented Speech by Cochlear-Implant Listeners: Benefit of Audiovisual Cues. *Ear and Hearing*, **2020**, 41, 1236-1250	3.4	5
66	Letter to the Editor: Possible Sex Effects on the Processing of Temporal Cues in Word Segments in Adult Cochlear-Implant Users. *Trends in Hearing*, **2020**, 24, 2331216520946675	3.2	
65	Auditory Attention and Spatial Unmasking in Children With Cochlear Implants. *Trends in Hearing*, **2020**, 24, 2331216520946983	3.2	5
64	Impact of Aging and the Electrode-to-Neural Interface on Temporal Processing Ability in Cochlear-Implant Users: Amplitude-Modulation Detection Thresholds. *Trends in Hearing*, **2020**, 24, 2331216520936160	3.2	5
63	Spectral-Temporal Trade-Off in Vocoded Sentence Recognition: Effects of Age, Hearing Thresholds, and Working Memory. *Ear and Hearing*, **2020**, 41, 1226-1235	3.4	3
62	Effect of channel separation and interaural mismatch on fusion and lateralization in normal-hearing and cochlear-implant listeners. *Journal of the Acoustical Society of America*, **2019**, 146, 1448	2.2	13
61	The effect of envelope modulations on binaural processing. *Hearing Research*, **2019**, 379, 117-127	3.9	1

60	Binaural unmasking with temporal envelope and fine structure in listeners with cochlear implants. *Journal of the Acoustical Society of America*, **2019**, 145, 2982	2.2	4
59	Effects of rate and age in processing interaural time and level differences in normal-hearing and bilateral cochlear-implant listeners. *Journal of the Acoustical Society of America*, **2019**, 146, 3232	2.2	11
58	Age Effects on Neural Representation and Perception of Silence Duration Cues in Speech. *Journal of Speech, Language, and Hearing Research*, **2019**, 62, 1099-1116	2.8	16
57	Effects of Aging on Perceptual and Electrophysiological Responses to Acoustic Pulse Trains as a Function of Rate. *Journal of Speech, Language, and Hearing Research*, **2019**, 62, 1087-1098	2.8	7
56	Bimodal Cochlear Implant ListenersVAbility to Perceive Minimal Audible Angle Differences. *Journal of the American Academy of Audiology*, **2019**, 30, 659-671	1.3	3
55	Age-Related Temporal Processing Deficits in Word Segments in Adult Cochlear-Implant Users. *Trends in Hearing*, **2019**, 23, 2331216519886688	3.2	10
54	Interaural Pitch-Discrimination Range Effects for Bilateral and Single-Sided-Deafness Cochlear-Implant Users. *JARO - Journal of the Association for Research in Otolaryngology*, **2019**, 20, 187-203	2.3	15
53	Interaural Time-Difference Discrimination as a Measure of Place of Stimulation for Cochlear-Implant Users With Single-Sided Deafness. *Trends in Hearing*, **2018**, 22, 2331216518765514	3.2	16
52	Age effects on perceptual restoration of degraded interrupted sentences. *Journal of the Acoustical Society of America*, **2018**, 143, 84	2.2	7
51	Across-channel interaural-level-difference processing demonstrates frequency dependence. *Journal of the Acoustical Society of America*, **2018**, 143, 645	2.2	6
50	The Effect of Simulated Interaural Frequency Mismatch on Speech Understanding and Spatial Release From Masking. *Ear and Hearing*, **2018**, 39, 895-905	3.4	13
49	Contralateral Interference Caused by Binaurally Presented Competing Speech in Adult Bilateral Cochlear-Implant Users. *Ear and Hearing*, **2018**, 39, 110-123	3.4	19
48	Across-frequency processing of interaural time and level differences in perceived lateralization. *Acta Acustica United With Acustica*, **2018**, 104, 758-761	1.5	4
47	Memory Span for Spoken Digits in Adults With Cochlear Implants or Typical Hearing: Effects of Age and Identification Ability. *Journal of Speech, Language, and Hearing Research*, **2018**, 61, 2099-2114	2.8	4
46	Age-related differences in binaural masking level differences: behavioral and electrophysiological evidence. *Journal of Neurophysiology*, **2018**, 120, 2939-2952	3.2	13
45	Speech Rate Normalization and Phonemic Boundary Perception in Cochlear-Implant Users. *Journal of Speech, Language, and Hearing Research*, **2017**, 60, 1398-1416	2.8	8
44	Binaural sensitivity in children who use bilateral cochlear implants. *Journal of the Acoustical Society of America*, **2017**, 141, 4264	2.2	23
43	Effects of Stimulus Duration on Event-Related Potentials Recorded From Cochlear-Implant Users. *Ear and Hearing*, **2017**, 38, e389-e393	3.4	3

42	Lateralization of Interaural Level Differences with Multiple Electrode Stimulation in Bilateral Cochlear-Implant Listeners. *Ear and Hearing*, **2017**, 38, e22-e38	3.4	14
41	The Relationship Between Intensity Coding and Binaural Sensitivity in Adults With Cochlear Implants. *Ear and Hearing*, **2017**, 38, e128-e141	3.4	6
40	Vocoded speech perception with simulated shallow insertion depths in adults and children. *Journal of the Acoustical Society of America*, **2017**, 141, EL45	2.2	7
39	Age-Related Differences in the Processing of Temporal Envelope and Spectral Cues in a Speech Segment. *Ear and Hearing*, **2017**, 38, e335-e342	3.4	30
38	Use of Research Interfaces for Psychophysical Studies With Cochlear-Implant Users. *Trends in Hearing*, **2017**, 21, 2331216517736464	3.2	22
37	Hearing with Cochlear Implants and Hearing Aids in Complex Auditory Scenes. *Springer Handbook of Auditory Research*, **2017**, 261-291	1.2	4
36	Using prosody to infer discourse prominence in cochlear-implant users and normal-hearing listeners. *Cognition*, **2017**, 166, 184-200	3.5	10
35	Time-Varying Distortions of Binaural Information by Bilateral Hearing Aids: Effects of Nonlinear Frequency Compression. *Trends in Hearing*, **2016**, 20,	3.2	17
34	Binaural release from masking with single- and multi-electrode stimulation in children with cochlear implants. *Journal of the Acoustical Society of America*, **2016**, 140, 59	2.2	10
33	Having Two Ears Facilitates the Perceptual Separation of Concurrent Talkers for Bilateral and Single-Sided Deaf Cochlear Implantees. *Ear and Hearing*, **2016**, 37, 289-302	3.4	48
32	Spatial attention in bilateral cochlear-implant users. *Journal of the Acoustical Society of America*, **2016**, 140, 1652	2.2	23
31	Interaural envelope correlation change discrimination in bilateral cochlear implantees: effects of mismatch, centering, and onset of deafness. *Journal of the Acoustical Society of America*, **2015**, 137, 1282-97	2.2	23
30	Spectral and temporal resolutions of information-bearing acoustic changes for understanding vocoded sentences. *Journal of the Acoustical Society of America*, **2015**, 137, 844-55	2.2	4
29	Evidence for a neural source of the precedence effect in sound localization. *Journal of Neurophysiology*, **2015**, 114, 2991-3001	3.2	13
28	Sensitivity to interaural envelope correlation changes in bilateral cochlear-implant users. *Journal of the Acoustical Society of America*, **2015**, 137, 335-49	2.2	21
27	Untrained listeners experience difficulty detecting interaural correlation changes in narrowband noises. *Journal of the Acoustical Society of America*, **2015**, 138, EL120-5	2.2	3
26	Effects of interaural pitch matching and auditory image centering on binaural sensitivity in cochlear implant users. *Ear and Hearing*, **2015**, 36, e62-8	3.4	50
25	Bilateral Loudness Balancing and Distorted Spatial Perception in Recipients of Bilateral Cochlear Implants. *Ear and Hearing*, **2015**, 36, e225-36	3.4	28

24	The effect of interaural fluctuation rate on correlation change discrimination. *JARO - Journal of the Association for Research in Otolaryngology*, **2014**, 15, 115-29	3.3	13
23	Internalized elevation perception of simple stimuli in cochlear-implant and normal-hearing listeners. *Journal of the Acoustical Society of America*, **2014**, 136, 841-52	2.2	3
22	Spatial hearing benefits demonstrated with presentation of acoustic temporal fine structure cues in bilateral cochlear implant listeners. *Journal of the Acoustical Society of America*, **2014**, 136, 1246	2.2	38
21	Speech perception in noise with a harmonic complex excited vocoder. *JARO - Journal of the Association for Research in Otolaryngology*, **2014**, 15, 265-78	3.3	9
20	Speech perception in simulated electric hearing exploits information-bearing acoustic change. *Journal of the Acoustical Society of America*, **2013**, 133, EL136-41	2.2	11
19	Effect of mismatched place-of-stimulation on binaural fusion and lateralization in bilateral cochlear-implant users. *Journal of the Acoustical Society of America*, **2013**, 134, 2923-36	2.2	115
18	Effect of mismatched place-of-stimulation on the salience of binaural cues in conditions that simulate bilateral cochlear-implant listening. *Journal of the Acoustical Society of America*, **2013**, 133, 2272-87	2.2	78
17	Mapping procedures can produce non-centered auditory images in bilateral cochlear implantees. *Journal of the Acoustical Society of America*, **2013**, 133, EL101-7	2.2	30
16	Evidence of the enhancement effect in electrical stimulation via electrode matching (L). *Journal of the Acoustical Society of America*, **2012**, 131, 1007-10	2.2	11
15	The role of envelope statistics in detecting changes in interaural correlation. *Journal of the Acoustical Society of America*, **2012**, 132, 1561-72	2.2	17
14	The effect of an additional reflection in a precedence effect experiment. *Journal of the Acoustical Society of America*, **2012**, 131, 2958-67	2.2	10
13	Studies on bilateral cochlear implants at the University of Wisconsin's Binaural Hearing and Speech Laboratory. *Journal of the American Academy of Audiology*, **2012**, 23, 476-94	1.3	102
12	Two-dimensional localization of virtual sound sources in cochlear-implant listeners. *Ear and Hearing*, **2011**, 32, 198-208	3.4	42
11	Median-plane sound localization as a function of the number of spectral channels using a channel vocoder. *Journal of the Acoustical Society of America*, **2010**, 127, 990-1001	2.2	21
10	Interaural fluctuations and the detection of interaural incoherence. IV. The effect of compression on stimulus statistics. *Journal of the Acoustical Society of America*, **2010**, 128, 3691-702	2.2	6
9	3-D localization of virtual sound sources: effects of visual environment, pointing method, and training. *Attention, Perception, and Psychophysics*, **2010**, 72, 454-69	2	60
8	Enhancing sensitivity to interaural time differences at high modulation rates by introducing temporal jitter. *Journal of the Acoustical Society of America*, **2009**, 126, 2511-21	2.2	19
7	Effects of upper-frequency boundary and spectral warping on speech intelligibility in electrical stimulation. *Journal of the Acoustical Society of America*, **2008**, 123, 2295-309	2.2	19

6	Current-level discrimination and spectral profile analysis in multi-channel electrical stimulation. *Journal of the Acoustical Society of America*, **2008**, 124, 3142-57	2.2	16
5	Interaural fluctuations and the detection of interaural incoherence. II. Brief duration noises. *Journal of the Acoustical Society of America*, **2007**, 121, 2127-36	2.2	8
4	Interaural fluctuations and the detection of interaural incoherence. III. Narrowband experiments and binaural models. *Journal of the Acoustical Society of America*, **2007**, 122, 1029-45	2.2	31
3	Interaural fluctuations and the detection of interaural incoherence: bandwidth effects. *Journal of the Acoustical Society of America*, **2006**, 119, 3971-86	2.2	34
2	Enhancing and unmasking the harmonics of a complex tone. *Journal of the Acoustical Society of America*, **2006**, 120, 2142-57	2.2	31
1	Transfer and/or breakup modes in the 6He+209Bi reaction near the coulomb barrier. *Physical Review Letters*, **2000**, 84, 5058-61	7.4	172